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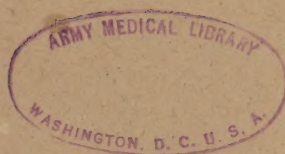
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The Joint Chiefs of Staff,
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MARTIN LUTHER UNIVERSITY UNIVERSITY OF HALLE



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COMBINED INTELLIGENCE OBJECTIVES SUB-COMMITTEE

CONFIDENTIAL

UNIVERSITY OF HALLE
MARTIN LUTHER UNIVERSITY

Reported by:

Comdr. CHARLES A. W. UHLE, (MC), USNR

CIOB Target No. 24/330
Medical

Allied Forces. Supreme Headquarters.
COMBINED INTELLIGENCE OBJECTIVES SUB-COMMITTEE
G-2 Division, SHAEF (Rear) APO 413

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I Institute of Hygiene.

II Institute of Physiological Chemistry and Physiology.

67-17-46

SUMMARY OF DATA OF POSSIBLE IMPORTANCE

University of Halle

II Institute of Physiological Chemistry.

(b 1,2) Professor Abderbalden's work on enzymes is worthy of further detailed investigation.

(b 3) Also his work on obtaining a nutritive edible protein from spoiled fish appears to be an important work.

(2a)

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Institute of Hygiene.

Interview with Professor Adolph Seiser on May 30, 1945.

Dr. Robert A Kehoe of the Tiic group was also present.

- (a) The only buildings of the University to receive severe bombing damage was the Gynecologic clinic. The library is intact. The Institute of Hygiene has been difficult to maintain due to its need of financial aid and supplies.
- (b) Dr. Rabiger is not in Halle, whereabouts unknown. Professor Teger is in Munich. Professor Schmidt has retired. Both were experts on Physiology of Industrial Medicine.
- (c) This institute conducts primarily many routine bacteriological and serological analyses for the Halle area. Research has not been too active during the war. Serum has been made only for research purposes.
- (d) There has been limited research in the investigation of Infectious diseases. Since 1933, diphtheria has been endemic in this area and the mortality is rising due to the increased malignancy of the organism as a result of intensification by upper respiratory infections. Only an occasional case of typhus is seen. In 1943, diphtheria contamination studies were conducted which demonstrated, that, in the childrens ward, the greatest number of colonies, during 24 hours, were found at 0800. Professor Seiser attributed this to morning bed making. When bed covers were kept moist the number of colonies diminished perceptibly. Treatment now consists of placing a damp cover over the bed and maintaining a moist atmosphere. This paper was written in 1944.
- (e) Seiser stated best Sera are made in Germany by the following:
 - (1) Behring Werke, Marbourg on Lahn
(Serum and vaccines)
 - (2) Saxische Serum Werke, Dresden.
 - (3) Anhaltung Serum Werke (Diphtheria toxoid)
(Badly bombed)
 - (4) Frankfurt Institute for Experimental Therapy.
(Completely destroyed)
- (f) Seiser has not researched in Industrial Medicine to any great extent within recent years.
- (g) A minimum of work has been done on insecticides. He stated that the Ztschr fur Hygienische Zoologie contains the newest developments in insecticides.
- (h) Recent dissertations by students (unpublished) are:
 - (1) Fish poisoning (Review of Literature)
 - (2) The purification of water by potassium bichromate rather than by potassium permanganate.
 - (3) The influence of humidity on the health of industrial workers.
 - (4) Documents were removed:
 - (a) Printed by the University of Halle.
Hefeextrakt zur Nahrbodenbereitung. H.J. Quickenstedt und A. Seiser.

II Institute of Physiological Chemistry.

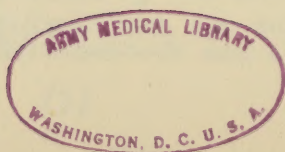
Interview with Professor Emil Abderhalden on May 30, 1945.
Dr. R.A. Kehoe of the Tiic group was also present.

- (a) Professor Abderhalden's political views were anti-nazi but due to his distinguished and world wide reputation, he was permitted to hold his position at the University. He is a Swiss.
- (b) Abderhalden's recent work includes the following important items:
 - (1) A study of enzymatic reactions following transfusions, wherein split protein products produce hemorrhagic tendencies. Reprint of this unfinished work was promised and will be sent through A.M.G. Halle to Colonel Prentiss.
 - (2) Enzyme work on foreign proteins of bacterial origin and on carcinomata has shown a specificity of action. In infections the identity of the invading organism can be established while in carcinomata diagnosis by this method is 80% correct. Enzymes are detectable both in blood and urine. (See reprints).
 - (3) Protein of various fish. He has been able to remove the smell of spoiled fish due to malodorous fatty acids and putrified protein fractions and obtain an high yield of edible nutritive protein by extracting with benzol and alcohol after treatment with sulphuric acid. This resultant dry protein powder contains all the ^{amino} acids and can sustain life. Yeast protein is low in cystine. In Germany, yeast and fish protein have been combined and extensively used for men and animals. Yeast protein referred to the same as that made at I.G. Agfa Wolfen which will be reported in detail by 3 other members of the Tiic group.
 - Captain Andrew Malcolm
 - Mr. Tresper Clarke, U.S. Civilian
 - Mr. Paul L. Pavcek, U.S. Civilian
 - (4) A practical use of substituting methyl cellulose for fat, and employing it for all purposes for which soap is used, has been worked out.
 - (5) He has worked extensively on vitamins.

(c) Documents were removed:

- (1) Abwehrfermente, (Die abderhaldensche Reaktion).
Publ., Steinkopff, Dresden and Leipzig, 1944.
- (2) Weiterer Beitrag Zur Kenntnis der Verwendbarkeit
der A.R. Zur Diagnose des Karzinoms.
Published by the University of Halle from the
Physiological and Physiological chemical
departments, January 13, 1945.

(5)



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